AMENDMENT OF SOLICITATI	ON/MODIFICATI	ON OF CONTRAC	T 1. Contract		Page 1 Of 10				
2. Amendment/Modification No.	3. Effective Date	4. Requisition/Purchase F		5. Project No. (I	f applicable)				
22	2007JUN28	SEE SCHEDULE							
6. Issued By	Code W56HZV	7. Administered By (If otl	ner than Item 6)	•	Code S2305A				
U.S. ARMY TACOM LCMC SFAE-GCS-W-BCT ROBERT D. BAIRD (586)753-2018 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL WEAPON SYSTEM: WPN SYS: KZ		(TACOM) ATTN: DCMAE-GJD WARREN, MI 48397	DCMA DETROIT U.S. ARMY TANK & AUTOMOTIVE COMMAND (TACOM)						
EMAIL: BOB.BAIRD@US.ARMY.MIL	ot City County State and	SCD A	PAS NONE	ADP P1 ent Of Solicitation 1	' HQ0337				
8. Name And Address Of Contractor (No., Stre GM GDLS DEFENSE GROUP, LLC 38500 MOUND ROAD STERLING HEIGHTS, MI 48310-3260	et, City, County, State and	(Zip Code)	9B. Dated (Sec	e Item 11)					
		X	10A. Modifica	ntion Of Contract/C	Order No.				
TYPE BUSINESS: Large Business Perfo	rming in II S		DAAE07-00-D	-					
Code ^{1NLE2} Facility Code			10B. Dated (S	ee Item 13)					
	HIS ITEM ONLY APPLI	ES TO AMENDMENTS O	F SOLICITATION	NS					
A. This Change Order is Issued Pursuan The Contract/Order No. In Item 10. B. The Above Numbered Contract/Orde Set Forth In Item 14, Pursuant To T C. This Supplemental Agreement Is Ent	ting copies of telegram which includes a D AT THE PLACE DESIGN OF YOUR OFFER. If brovided each telegram or quired) ITEM ONLY APPLIES T It Modifies The Contraint To: A. Er Is Modified To Reflect The Authority of FAR 43.10 ered Into Pursuant To Au	of the amendments: (b) By a reference to the solicitation GNATED FOR THE RECE by virtue of this amendmen letter makes reference to the CO MODIFICATIONS OF Cont/Order No. As Described The Administrative Changes (33(b)).	cknowledging rectand amendment in IPT OF OFFERS it you desire to chase solicitation and in IPT OFTERS in Item 14.	eipt of this ame ndr numbers. FAILUR PRIOR TO THE F inge an offer alread this amendment, an EDERS	ment on each copy of the RE OF YOUR HOUR AND DATE ly submitted, such nd is received prior to the				
D. Other (Specify type of modification a	and authority)								
E. IMPORTANT: Contractor X is not,	<u> </u>	this document and return		copies to the Issuir					
14. Description Of Amendment/Modification (Control of the See Second page for Description	Organized by UCF section	headings, including solicita	tion/contract subj	ect matter where fo	easible.)				
and effect.									
15A. Name And Title Of Signer (Type or print)		16A. Name And Ti SANDRA E. MCCAR SANDY.MCCARROLI	RROLL		orint)				
15B. Contractor/Offeror	15C. Date Signed	16B. United States			16C. Date Signed				
(Signature of person authorized to sign)	_	By(Signature	/SIGNED/	Officer\	2007JUN28				
(Signature of person authorized to Sign)		(Signatur	e of Contracting	Onicer)					

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Name of Offeror or Contractor: GM GDLS DEFENSE GROUP, LLC

SECTION A - SUPPLEMENTAL INFORMATION

PROGRAM: Stryker Logistics Engineering Support (LES)

- 1. This Modification 22 to Delivery Order 0016 under Requirements Contract DAAE07-00-D-M051 is an unilateral action.
- 2. The Government hereby requires the Contractor to continue performing the necessary logistic engineering effort specified in Section C at paragraph C.4.0, entitled "Stryker Land Warrior and Mounted Warrior Technical Bulletins" on a Cost Plus Fixed Fee basis.
- 3. Pursuant to the Changes Cost Reimbursement (Alternate II (Apr 1984), FAR Clause 52.543-2 (Aug 1987), the following revisions are incorporated under Delivery Order 0016 for the required delivery of Stryker Land Warrior and Mounted Warrior Technical Bulletins.
 - a. The requirement for a RPSTL at paragraph C.4.2, CDRL A318 and CDRL A319 is deleted from the scope.
 - b. The performance completion date is extended to 14 September 2007.
 - c. The Contractor is hereby authorized an additional 2,248 manhours for this effort.
 - d. Two (2) separate CLINs are established in Section B of this Delivery Order 0016 as delineated below:
 - (1) CLIN 9007AA is established to fund the authorized labor hours with fee.
 - (2) CLIN 9007AB is established to fund the authorized travel dollars without fee.
 - (3) CLIN 9007AA is added to CDRL A318, CDRL A319 and CDRL A324.
- 4. As a result of this Modification 22 to Delivery Order 0016:
 - (a) CLINs 9007AA and 9007AB are hereby established
 - (b) The total manhours and dollars (Cost Plus Fixed Fee) funded under CLIN 9007AA are established as follows:

	MANHOURS	TOTAL	ESTIMATED COST	FI	XED FEE	TOT	AL ESTIMATED AMOUNT
Total To Date	0	\$	0.00	\$	0.00	\$	0.00
This Delivery Order	2,248	\$	231,544.00	\$ 20	,232.00	\$	251,776.00
Total Labor Hours and Dollars	2,248	\$	231,544.00	\$ 20	,232.00	\$	251,776.00

(c) The total travel dollars (Cost - No Fee) funded under CLIN 9007AB are established as follows:

	TOTAL ESTIMATED COST		FI	XED FEE	TOTAL ESTIMATED AMOUNT		
Total To Date	\$	0.00	\$	0.00	\$	0.00	
This Delivery Order	\$	3,953.00	\$	0.00	\$	3,953.00	
Total Travel Dollars	\$	3,953.00	\$	0.00	\$	3,953.00	

- 5. As a result of this action, the total amount funded for Delivery Order 0013 is increased by \$255,729.00.
- 6. Except as specifically stated herein, all other terms and conditions of this Contract remain in full force and effect.

*** END OF NARRATIVE A0023 ***

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Name of Offeror or Contractor: GM GDLS DEFENSE GROUP, LLC

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS 9007 SECURITY CLASS: Unclassified 9007AA STRYER LAYAW TECHNICAL BULLETINS 2248 HR CLIN CONTRACT TYPE:	10UNT
CLIN CONTRACT TYPE: COST-PLUS-Fixed-Fee NOUN: LOG BEINGE FFORT - LABOR PRON: X16GX191X1 PRON AND: 01 ACRN: AB AMS CD: 31107180005 CLIN 9007AA was established by Modification 22 to Delivery Order 0016 dated 28 Jun 07. The funding authorized under this CLIN is for the labor hours required to perform the Stryker Land Warrior and Mounted Warrior Technical Bulletins effort at C.4.0. Level of Effort 2,248 manhours Batimated Cost: \$ 231,544.00 Fixed Fee: \$ 20,232.00 Total Estimated Amount: \$ 251,776.00 (End of narrative B001) This pection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Diver Sch Performance Diver Sch Performa	
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	3,953.00
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CLIN CONTRACT TYPE: Cost Contract	
NOUN: LOG BRIDGE EFFORT - TRAVEL	
PRON: X16GX394X1 PRON AMD: 01 ACRN: AB AMS CD: 31107180005	
CLIN 9007AB was established by Modification 22 to	
Delivery Order 0016 dated 28 Jun 07.	

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Name of Offeror or Contractor: GM GDLS DEFENSE GROUP, LLC

M NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	The funding authorized under this CLIN is for the				
	travel costs required to perform the Stryker Land				
	Warrior and Mounted Warrior Technical Bulletins				
	effort at C.4.0.				
	Estimated Cost: \$ 3,953.00				
	Fixed Fee: \$ 0.00				
	Total Estimated Amount: \$ 3,953.00				
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Name of Offeror or Contractor: GM GDLS DEFENSE GROUP, LLC

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

Section C - Scope of Work (SOW)

- C.1 Contractor Office Support
- C.1.1 The Contractor shall provide space on site at GDLS-Shelby sufficient to support collocated Government Program Management Office personnel. The Government shall provide workstation furniture, computers, and supplies as required to perform relevant logistics responsibilities associated with Section C.4.0 of Requirements Contract DAAE07-00-D-M051.
- C.1.2 The contractor shall relocate safety stops and install safety railing at GDLS-Shelby.*
- C.2 Spindle Diagnostic Procedure Blind Test.
- C.2.1 Background. The Contractor has developed a Spindle Displacement technique procedure and Purdue University has developed a Spindle Harmonics procedure. Each of these procedures was developed to be used as a field inspection process that will detect wheel spindles which have the potential to separate from suspensions. The process would be conducted on a periodic basis as a preventative maintenance check.
- C.2.2 Purpose. Conduct a Blind Test for the two newly developed spindle diagnostic procedures.
- C.2.3 Scope.
- C.2.3.1 The Contractor shall remove six wheel assemblies from the five identified log demo vehicles (ESV, CV, MEV, MC and RV with Slat Armor). The removal of these six wheel assemblies shall be completed no later than 28 October 2005. The Government's designated technical representative shall specify the six wheel assemblies to be removed.
- C.2.3.2 The Contractor shall install six wheel assemblies specified by the Government designated technical representative. Installation shall be completed not later than 28 October 2005.
- C.2.3.3 Government selected testers shall conduct the blind test utilizing the Purdue University procedure at each wheel location of all five Stryker vehicles. This Blind Test will be conducted the week of 31 October 2005.
- C.2.3.3.1 While the Purdue University procedure is being conducted, the Contractor shall provide an on-call mechanic available to respond at the Government technical representatives request within fifteen (15) minutes of notification.
- C.2.3.3.2 No Contractor personnel shall be present during performance of the Blind Test using the Purdue University procedure. The only exception is when the Government technical representative requests support from the on-call mechanic
- C.2.3.4 Upon completion of the Purdue University procedure, the Contractor is invited to participate in the Blind Test utilizing the GDLS developed Spindle Displacement procedure.
- C.2.3.4.1 The Contractor's participation in the Blind Test shall be at no additional cost to the Government.
- C.2.3.4.2 Three vehicles (ESV, CV and MEV) will need to be put up on jacks to allow for the Contractor's displacement procedure to be performed.
- C.2.3.4.3 The Contractor shall train the two Government selected testers to perform the displacement procedure following completion of the Purdue University procedure. Training of the two Government testers shall include viewing a procedure instruction video to be provided by GDLS-London Engineering.
- C.2.3.4.4 The Blind Test utilizing the GDLS displacement procedure will be conducted on the ESV, CV and MEV on the right and left sides of axle 3 and 4. This procedure is only being conducted on the rear axles of three of the five vehicles due to the time required to perform the procedure.
- C.2.3.4.5 Training of the two Government selected testers and performance of the Blind Test utilizing the GDLS displacement procedure will occur upon completion of the Purdue University Blind Test during the week of 31 October 2005.
- C.2.3.5 At the completion of the Displacement Procedure activities, the Stryker vehicles will be returned to their original configuration. That will occur the week of 7 November 2005.
- C.2.4 Materials.
- C.2.4.1 Six (6) wheel assemblies listed below are being shipped by the Government from Aberdeen Test Center to GDLS-Shelby and shall

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Name of Offeror or Contractor: GM GDLS DEFENSE GROUP, LLC

arrive not later than October 24, 2005.

- C.2.4.1.1 0833 pre-cracked assembly .197 in (left-rear)
- C.2.4.1.2 0445 pre-cracked assembly .059 in (right-rear)
- C.2.4.1.3 066 pre-cracked assembly .079 in (right-rear)
- C.2.4.1.4 0297 C suspected of white layer cracking (right-rear)
- C.2.4.1.5 0917 NR high mileage worn (right-rear)
- C.2.4.1.6 0667 C .33 inch depth crack (left-rear)
- C.2.4.2 A conference room with DVD viewing capability is required at GDLS-Shelby for the week of 31 October 2005 through close of business on 4 November 2005.
- C.2.5 Schedule. Period of Performance for the Blind Test is from 24 October 2005 to 11 November 2005.
- C.2.6 Deliverables.
- C.2.6.1 At the completion of the Blind Test activities, the Contractor shall package the six test wheel assemblies using best commercial practices. The Contractor shall ship the three test wheel assemblies listed under C.2.4.1.1, C.2.4.1.2 and C.2.4.1.3 to Purdue University as follows.

Douglas E. Adams, Ph.D. Purdue University Ray W. Herrick Laboratories 140 S. Intramural Drive West Lafayette, IN 47907-2031

- C.2.6.2 The three test wheel assemblies listed under C.2.4.1.4, C.2.4.1.5 and C.2.4.1.6 shall be shipped to GDLS-London.
- C.3 Purdue University Spindle Data Collection.
- C.3.1 Background. Purdue University developed a Spindle Harmonics procedure as a field inspection process that will detect wheel spindles which have the potential to separate from suspensions. The process would be conducted on a periodic basis as a preventative maintenance check.
- C.3.2 General. The Purdue Data collection scope of work shall be performed on a non-interference basis, working around the other Log Demo efforts occurring simultaneously at GDLS-Shelby.
- C.3.3 Purpose. Conduct data collection using newly developed spindle diagnostic procedures and ruggedized test set.
- C.3.4 Scope. The Contractor shall place the CV and ESV Log Demo vehicles up on jacks. Remove all eight wheels on both vehicles. The correct wheel assemblies shall be installed on the designated Stryker variant in accordance with Attachment 001 for each of the two phases of data collection. The Contractor shall provide an on-call mechanic during data collection. At the conclusion of the data collection, the contractor shall return the vehicles to their original configuration.
- C.3.4.1 Round 1.
- C.3.4.1.1 Both vehicles will be up on stands with the wheels removed and the Round 1 cracked wheel assemblies installed no later than by close of business at GDLS-Shelby on Wednesday, 30 November 2006.
- C.3.4.1.2 Thursday morning, on 1 December, the Purdue team will begin Round 1 and shall have until close of business on 2 December to complete data collection. An on-call mechanic shall be available during data collection.
- C.3.4.2 Round 2.
- C.3.4.2.1 Both vehicles will be up on stands with the wheels removed the Round 2 cracked wheel assemblies installed no later than by close of business at GDLS-Shelby on Wednesday, 7 December 2006.
- C.3.4.2.2 Thursday morning, on 8 December, the Purdue team will begin Round 2 and shall have until close of business on 9 December to complete data collection. An on-call mechanic shall be available during data collection.

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Name of Offeror or Contractor: GM GDLS DEFENSE GROUP, LLC

- C.3.4.3 Vehicle Restoration. At the completion of the Displacement Procedure activities, the Stryker vehicles will be returned to their original configuration.
- C.3.5 Materials. Wheel assemblies with cracked spindles installed as listed below shall be delivered to GDLS-Shelby and will arrive in time to complete the data collection effort in accordance with the statement of work.
- C.3.5.1 S/N 514, Sample number 05-03-C0176-7
- C.3.5.2 S/N 1712, Sample number 05-03-C0176-9
- C.3.5.3 S/N 820, Sample number 05-03-C0176-10
- C.3.5.4 S/N 1184, Sample number 05-03-C0176-11
- C.3.5.5 S/N 914, Sample number 05-03-C0176-12
- C.3.6 Schedule. Period of Performance for vehicle preparation to set up for data collection, performance of data collection, and restoration of vehicles following the data collection effort shall begin 28 November 2005 and end 13 December 2005.
- C.3.7 Deliverables.
- C.3.7.1 Round 1. Both Log demo vehicles will be up on stands with the wheels removed and the Round 1 cracked wheel assemblies installed no later than by close of business at GDLS-Shelby on Wednesday, 30 November 2005.
- C.3.7.2 Round 2. Both Log Demo vehicles will be up on stands with the wheels removed and the Round 2 cracked wheel assemblies installed no later than by close of business at GDLS-Shelby on Wednesday, 7 December 2005.
- C.3.7.3 Vehicle Restoration. Both Log Demo vehicles will have Round 2 cracked wheel assemblies removed and be restored to original condition with wheels and wheel assemblies installed by close of business at GDLS-Shelby on Tuesday, 13 December 2005.
- C.4.0 Stryker Land Warrior and Mounted Warrior Technical Bulletins
- C.4.1 Background. Stryker Land Warrior/Mounted Warrior components are expected to be installed on test vehicles and undergoing DOTMLPF and test by the US Government by July 10, 2006. The limited time available before these events does not allow for the development of the logistics products required by CDRL's 019 and 020 to support the operator/maintainer during test. The intent of this effort is to provide an interim logistic product that will support the Government test activities and fielding for operational test.
- *C.4.2 Scope. The Contractor shall develop Stryker Land Warrior and Mounted Warrior Technical Bulletins consisting of Installation Instructions (to include crew and field level maintenance and removal/replacement of components), PMCS (Operation, Crew and Field Level), Troubleshooting Tasks (Field and Crew Level), and the Equipment Description and Use. The work under this effort shall include:
- C.4.2.1 Modification of the Installation and Removal (I/R) Instruction manuals developed under the Pre Eco Work Directive for Land/Mounted Warrior. These instructions included information to install and remove the Land/Mounted Warrior equipment onto the following variants ICV, CV, RV, FSV and ESV. The MEV install and removal instruction only dealt with Mounted Warrior system. The modification of the I/R instructions for each of the variants identified above, and to include the addition of Land Warrior and Mounted Warrior for MEV and MCV-B, shall also contain the following information:
- C.4.2.1.1 Addition of limited Operator PMCS checks specific to Land/Mounted Warrior to cover the Before/During/After checks for the system.
- ${\tt C.4.2.1.2}$ Addition of Troubleshooting tasks, in MS Word Format.
- C.4.2.1.2.1 Troubleshooting tasks may not conform to any military specification but will provide sufficient information on what checks are required to clear a fault condition. The tasks will be presented in table format with a description of the condition, identification of probable cause, and a series of corrective actions required to identify the failed component (sample provided) and will not include illustrations.
- C.4.2.1.2.2 Assumptions. It is assumed that the removal and replacement instructions for failed components are adequately covered in the Installation and Removal Instructions previously developed for the system. Verification of the Troubleshooting and Operators PMCS information will be conducted at the GD Shelby, Michigan facility and is estimated to be 3 days in duration.
- C.4.2.2 Land and Mounted Warrior Logistics Products Corrections and Changes.

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- C.4.2.2.1 Land Warrior / Mounted Warrior Fit Up. The contractor shall install one Stryker Land Warrior kit and one Stryker Mounted Warrior kit into a Stryker vehicle at GDLS-Shelby Township for Validation / Verification. The contractor shall remove both kits after Validation / Verification of the Stryker Land Warrior / Mounted Warrior Logistics Products is completed. The Stryker Land Warrior kit and Stryker Mounted Warrior kit will be provided by the Government.
- C.4.2.2.2 Stryker Land Warrior / Mounted Warrior Logistics Products Validation / Verification. The Contractor shall participate in a Validation / Verification of the Stryker Land Warrior and Stryker Mounted Warrior Installation Instructions, Operator PMCS and Troubleshooting Tasks. Comments / data from the Validation / Verification and from any past Quality Assurance and Land Warrior / Mounted Warrior Vehicle Integration Kit (VIK) installation effort shall be incorporated into the revised logistics products required under each of the CDRL's described herein.
- C.4.2.2.3 The Contractor shall support Government verification of Technical Bulletin(s) accuracy. Comments received from the Government as a result of the verification process shall be incorporated by revision and resubmitted to the Government for a final review within five working days. All Stryker Land Warrior / Mounted Warrior interim logistic product delivered in accordance with this Statement of Work shall be completed and submitted in accordance with delivery dates established on Contract Data Requirement Lists (CDRL's).
- C.4.3 Schedule. Period of Performance shall begin 13 June 2006 and end 6 April 2007.
- C.4.4 Deliverables. New Equipment Training Teams require stand-alone Land Warrior/Mounted Warrior documentation interfaced within consolidated technical bulletins that provide cross references to all Stand-Alone documents that address the hardware/software created for Stryker Land Warrior/Mounted Warrior. Logistics product documentation delivered to the Government shall be provided by the contractor as follows.
- C.4.4.1 In accordance with CDRL A318, Stryker Land Warrior Stand Alone Logistics Products.
- C.4.4.2 In accordance with CDRL A319, Stryker Mounted Warrior Stand Alone Logistics Products.
- C.4.4.3 The Contractor shall provide the Government with weekly Stryker Land Warrior/Mounted Warrior Progress Reports in accordance with CDRL A324.

Note: Asterisk (*) denotes revision under Modification 22

*** END OF NARRATIVE C0001 ***

	CONTINUE	CITE	,	Refer	ence No. of D	ocun	nent Being Continued	Page 9 of 10
	CONTINUATION	SHEEL		PIIN/SIIN	DAAE07-00-D	-м05	1/0016 MOD/AMD 22	
Name	of Offeror or Contracto	r: GM GDL	S DEFENSE (GROUP, LLC	!			•
SECTION	G - CONTRACT ADMINIST	RATION DA	TA					
	PRON/							
LINE	AMS CD/	OE	BLG STAT/				INCREASE/DECREASE	CUMULATIVE
<u>ITEM</u>	MIPR	ACRN JO	B ORD NO	_	PRIOR AMOUNT		AMOUNT	AMOUNT
9007AA	X16GX393X1	AB	2	\$	0.00	\$	251,776.00	\$ 251,776.00
	31107180005		6GXP57					
	A16P30052RX1							
9007AB	X16GX394X1	AB	2	\$	0.00	\$	3,953.00	\$ 3,953.00
	31107180005		6GXP57					
	A16P30052RX1							
				1	NET CHANGE	\$	255,729.00	
SERVICE	NET CHANGE						ACCOUNTING	INCREASE/DECREASE
NAME	BY ACRN	ACCOUNT	'ING CLASSI	FICATION			STATION	AMOUNT
Army	AB	21 62	033000065R	5R07P31107	7125FB S2011	3	W56HZV	\$ 255,729.00
							NET CHANGE	\$ 255,729.00

INCREASE/DECREASE

<u>AMOUNT</u> 255,729.00 \$

CUMULATIVE

OBLIG AMT

8,169,437.00

<u>ACRN</u> EDI ACCOUNTING CLASSIFICATION

NET CHANGE FOR AWARD: \$

 ACRN
 EDI
 ACCOUNTING
 CLASSIFICATION

 AB
 21
 060820330000
 \$20113
 65R5R073110718000525FB
 6GXP57S20113
 W56HzV

<u>OF AWARD</u> 7,913,708.00 \$

PRIOR AMOUNT

Reference No. of Document Being Continued

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SECTION J - LIST OF ATTACHMENTS

List of			Number	
Addenda	Title	Date	of Pages	Transmitted By
Exhibit B	CDRL A318 - STRYKER LAND WARRIOR TECHNICAL BULLETIN	28-JUN-2007	001	DATA
Exhibit C	CDRL A319 - STRYKER MOUNTED WARRIOR TECHNICAL BULLETIN	28-JUN-2007	001	DATA
Exhibit H	CDRL A324 - STRYKER LAND WARRIOR/MOUNTED WARRIOR LOGISTICS	28-JUN-2007	001	DATA
	PRODUCTS PROGRESS REPORTS			